IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please amend claims 1-92 as follows:

(Currently Amended) A method, comprising:
 receiving information over a communications network;

identifying a retriever's input analysis capabilities;

retriever's <u>input analysis</u> capabilities from a hereditary rules library stored in a memory device; and

determining computer data validity by applying the retrieved customizable inheritable validation rules to the information.

- 2. (Currently Amended) The method of claim 1, further comprising highlighting information determined to be invalid by the customizable inheritable validation rules.
- 3. (Currently Amended) The method of claim 1, wherein the customizable inheritable validation rules are provided to a client.
- 4. (Currently Amended) The method of claim 1, wherein the customizable inheritable validation rules are provided to a server.
- 5. (Currently Amended) The method of claim 1, wherein the customizable inheritable validation rules are imbedded into a web page.
- 6. (Currently Amended)The method of claim 1, wherein the customizable inheritable validation rules are executable both on a client and server.
 - (Currently Amended) A system, comprising:
 means for receiving information over a communications network;
 means for identifying a retriever's input analysis capabilities;

means for retrieving customizable <u>inheritable</u> validation rules appropriate for a <u>the</u> retriever's <u>input analysis</u> capabilities from a hereditary rules library stored in a memory device; and

means for determining computer data validity by applying the customizable retrieved <u>customizable</u> inheritable validation rules to the information.

- 8. (Currently Amended) The system of claim 7, further comprising means for highlighting information determined to be invalid by the customizable <u>inheritable</u> validation rules.
- 9. (Currently Amended) The system of claim 7, wherein the customizable inheritable validation rules are provided to a client.
- 10. (Currently Amended) The system of claim 7, wherein the customizable inheritable validation rules are provided to a server.
- 11. (Currently Amended) The system of claim 7, wherein the customizable inheritable validation rules are imbedded into a web page.
- 12. (Currently Amended) The system of claim 7, wherein the customizable inheritable validation rules are executable both on a client and server.
- 13. (Currently Amended) Computer executable software code stored on a computer readable medium, the code, comprising:

code for receiving information over a communications network;

code for identifying a retriever's input analysis capabilities;

code for retrieving customizable <u>inheritable</u> validation rules appropriate for a retriever's <u>input analysis</u> capabilities from a hereditary rules library stored in a memory device; and

code for determining computer data validity by applying the retrieved customizable inheritable validation rules to the information.

- 14. (Currently Amended) The medium of claim 13, further comprising code for highlighting information determined to be invalid by the customizable inheritable validation rules.
- 15. (Currently Amended) The medium of claim 13, wherein the customizable inheritable validation rules are provided to a client.
- 16. (Currently Amended) The medium of claim 13, wherein the customizable inheritable validation rules are provided to a server.
- 17. (Currently Amended) The medium of claim 13, wherein the customizable inheritable validation rules are imbedded into a web page.
- 18. (Currently Amended) The medium of claim 13, wherein the customizable inheritable validation rules are executable both on a client and server.
 - 19. (Currently Amended) An apparatus, comprising:a memory device having at least one region for storing executable program code;

and

a processor, disposed in communication with the memory device, for executing the program code stored in the memory device, wherein the program code, further comprising:

code to receive information over a communications network:

code to identify a retriever's input analysis capabilities;

a retriever's <u>input analysis</u> capabilities from a hereditary rules library stored in a memory device;

code to determine computer data validity by applying the retrieved customizable <u>inheritable</u> validation rules to the information.

20. (Currently Amended) The apparatus of claim 19, further comprising code to highlight information determined to be invalid by the customizable <u>inheritable</u> validation rules.

- 21. (Currently Amended) The apparatus of claim 19, wherein the customizable inheritable validation rules are provided to a client.
- 22. (Currently Amended) The apparatus of claim 19, wherein the customizable inheritable validation rules are provided to a server.
- 23. (Currently Amended) The apparatus of claim 19, wherein the customizable inheritable validation rules are imbedded into a web page.
- 24. (Currently Amended) The apparatus of claim 19, wherein the customizable inheritable validation rules are executable both on a client and server.
 - 25. (Currently Amended) A method, comprising: identifying data types requiring validation; and

identifying a retriever's input analysis capabilities; and

providing customizable <u>inheritable</u> validation rules appropriate for a <u>the</u> retriever's <u>input analysis</u> capabilities stored in a memory device for the associated data types from a hereditary rules library.

- 26. (Currently Amended) The method of claim 25, wherein the customizable inheritable validation rules are provided to a client.
- 27. (Currently Amended) The method of claim 25, wherein the customizable inheritable validation rules are provided to a server.
- 28. (Currently Amended) The method of claim 25, wherein the customizable inheritable validation rules are imbedded into a web page.
- 29. (Currently Amended) The method of claim 25, wherein the customizable inheritable validation rules are executable both on a client and server.
 - (Currently Amended) A system, comprising:means for identifying data types requiring validation; and

means for identifying a retriever's input analysis capabilities; and

means for providing customizable <u>inheritable</u> validation rules appropriate for a <u>the</u> retriever's <u>input analysis</u> capabilities stored in a memory device for the associated data types from a hereditary rules library.

- 31. (Currently Amended) The system of claim 30, wherein the customizable inheritable validation rules are provided to a client.
- 32. (Currently Amended) The system of claim 30, wherein the customizable inheritable validation rules are provided to a server.
- 33. (Currently Amended) The system of claim 30, wherein the customizable inheritable validation rules are imbedded into a web page.
- 34. (Currently Amended) The system of claim 30, wherein the customizable inheritable validation rules are executable both on a client and server.
- 35. (Currently Amended) Computer executable software code stored on a computer readable medium, the code, comprising:

code for identifying data types requiring validation; and

code for identifying a retriever's input analysis capabilities; and

code for providing customizable <u>inheritable</u> validation rules appropriate for a <u>the</u> retriever's <u>input analysis</u> capabilities stored in a memory device for the associated data types from a hereditary rules library.

- 36. (Currently Amended) The medium of claim 35, wherein the customizable inheritable validation rules are provided to a client.
- 37. (Currently Amended) The medium of claim 35, wherein the customizable inheritable validation rules are provided to a server.
- 38. (Currently Amended) The medium of claim 35, wherein the customizable inheritable validation rules are imbedded into a web page.
 - 39. (Currently Amended) The medium of claim 35, wherein the customizable

inheritable validation rules are executable both on a client and server.

40. (Currently Amended) An apparatus, comprising:a memory device having at least one region for storing executable program code;

and

a processor, disposed in communication with the memory device, for executing the program code stored in the memory device, wherein the program code, further comprising:

code to identify data types requiring validation;

code to identify a retriever's input analysis capabilities;

code to provide customizable <u>inheritable</u> validation rules appropriate for a <u>the</u> retriever's <u>input analysis</u> capabilities stored in a memory device for the associated data types from a hereditary rules library.

- 41. (Currently Amended) The apparatus of claim 40, wherein the customizable inheritable validation rules are provided to a client.
- 42. (Currently Amended) The apparatus of claim 40, wherein the customizable inheritable validation rules are provided to a server.
- 43. (Currently Amended) The apparatus of claim 40, wherein the customizable inheritable validation rules are imbedded into a web page.
- 44. (Currently amended) The apparatus of claim 40, wherein the customizable inheritable validation rules are executable both on a client and server.
- 45. (Currently Amended) A method, comprising:

 providing a hereditary rules library having an initial parent rule stored in a memory device; and

identifying retriever input analysis capabilities; and

building customizable <u>inheritable</u> validation rules appropriate for a retriever's <u>input analysis</u> capabilities by subclassing members of a hereditary rules library class hierarchy.

- 46. (Currently Amended) The method of claim 45, further comprising storing subclassed customizable <u>inheritable</u> validation rules in the hereditary rules library.
- 47. (Previously Amended) The method of claim 45, wherein the subclassed customizable validation rules inherit validation logic from a parent rule.
- 48. (Currently Amended) The method of claim 45, wherein the customizable inheritable validation rules are associated with data types.
- 49. (Currently Amended) The method of claim 45, wherein the customizable inheritable validation rules are imbedded into a web page.
- 50. (Currently Amended) The method of claim 45, wherein the customizable inheritable validation rules are executable both on a client and server.
- 51. (Currently Amended) A system, comprising:

 means for providing a hereditary rules library having an initial parent rule stored in a memory device; and

means for identifying retriever input analysis capabilities; and

means for building customizable <u>inheritable</u> validation rules appropriate for a retriever's <u>input analysis</u> capabilities by subclassing members of a hereditary rules library class hierarchy.

- 52. (Currently Amended) The system of claim 51, further comprising means for storing subclassed customizable inheritable validation rules in the hereditary rules library.
- 53. (Currently Amended) The method of claim 51, wherein the subclassed customizable inheritable validation rules inherit validation logic from a parent rule.
- 54. (Currently Amended) The system of claim 51, wherein the customizable inheritable validation rules are associated with data types.
 - 55. (Currently Amended) The system of claim 51, wherein the customizable

inheritable validation rules are imbedded into a web page.

- 56. (Currently Amended) The system of claim 51, wherein the customizable <u>inheritable</u> validation rules are executable both on a client and server.
- 57. (Currently Amended) Computer executable software code stored on a computer readable medium, the code, comprising:

code for providing a hereditary rules library having an initial parent rule stored in a memory device; and

code for identifying retriever input analysis capabilities; and

code for building customizable <u>inheritable</u> validation rules appropriate for a retriever's <u>input analysis</u> capabilities by subclassing members of a hereditary rules library class hierarchy.

- 58. (Currently Amended) The medium of claim 57, further comprising code for storing subclassed customizable <u>inheritable</u> validation rules in the hereditary rules library.
- 59. (Currently Amended) The method of claim 57, wherein the subclassed customizable <u>inheritable</u> validation rules inherit validation logic from a parent rule.
- 60. (Currently Amended) The medium of claim 57, wherein the customizable inheritable validation rules are associated with data types.
- 61. (Currently Amended) The medium of claim 57, wherein the customizable inheritable validation rules are imbedded into a web page.
- 62. (Currently Amended) The medium of claim 57, wherein the customizable inheritable validation rules are executable both on a client and server.
 - 63. (Currently Amended) An apparatus, comprising:a memory device having at least one region for storing executable program code;

and

a processor, disposed in communication with the memory device, for executing the program code stored in the memory device, wherein the program code, further comprising:

code to provide a hereditary rules library having an initial parent rule stored in a memory device;

code to identify retriever input analysis capabilities;

code to build customizable <u>inheritable</u> validation rules appropriate for a retriever's <u>input analysis</u> capabilities by subclassing members of a hereditary rules library class hierarchy.

- 64. (Currently Amended) The apparatus of claim 63, further comprising code to store subclassed customizable <u>inheritable</u> validation rules in the hereditary rules library.
- 65. (Currently Amended) The method of claim 63, wherein the subclassed customizable <u>inheritable</u> validation rules inherit validation logic from a parent rule.
- 66. (Currently Amended) The apparatus of claim 63, wherein the customizable inheritable validation rules are associated with data types.
- 67. (Currently Amended) The apparatus of claim 63, wherein the customizable inheritable validation rules are imbedded into a web page.
- 68. (Currently Amended) The apparatus of claim 63, wherein the customizable inheritable validation rules are executable both on a client and server.
- 69. (Currently Amended) A method, comprising:

 marking data types for associated customizable <u>inheritable</u> validation rules from a hereditary rules library stored in a memory device; and

identifying a retriever's input analysis capabilities; and

providing validation marked data types appropriate for a the retriever's input analysis capabilities.

- 70. (Currently Amended) The method of claim 69, further comprising building forms with the customizable <u>inheritable</u> validation rules associated with marked data types.
- 71. (Currently Amended) The method of claim 69, further comprising storing forms with the customizable <u>inheritable</u> validation rules associated with marked data types.
- 72. (Currently Amended) The method of claim 69, further comprising providing forms with the customizable <u>inheritable</u> validation rules associated with marked data types over a communications network.
- 73. (Currently Amended) The method of claim 69, wherein the customizable inheritable validation rules are imbedded into a web page.
- 74. (Currently Amended) The method of claim 69, wherein the customizable inheritable validation rules are executable both on a client and server.
- 75. (Currently Amended) A system, comprising:

 means for marking data types for associated customizable <u>inheritable</u> validation rules from a hereditary rules library stored in a memory device; and

means for identifying a retriever's input analysis capabilities;

means for providing validation marked data types appropriate for a <u>the</u> retriever's <u>input analysis</u> capabilities.

- 76. (Currently Amended) The system of claim 75, further comprising means for building forms with customizable <u>inheritable</u> validation rules associated with the marked data types.
- 77. (Currently Amended) The system of claim 75, further comprising means for storing forms with customizable <u>inheritable</u> validation rules associated with the marked data types.
- 78. (Currently Amended) The system of claim 76, further comprising means for providing forms with customizable <u>inheritable</u> validation rules associated with the marked data

types over a communications network.

- 79. (Currently Amended) The system of claim 75, wherein the customizable inheritable validation rules are imbedded into a web page.
- 80. (Currently Amended) The system of claim 75, wherein the customizable inheritable validation rules are executable both on a client and server.
- 81. (Currently Amended) Computer executable software code stored on a computer readable medium, the code, comprising:

code for marking data types for associated customizable <u>inheritable</u> validation rules from a hereditary rules library stored in a memory device; and

code for identifying a retriever's input analysis capabilities;

code for providing validation marked data types appropriate for a <u>the</u> retriever's input analysis capabilities.

- 82. (Currently Amended) The medium of claim 81, further comprising code for building forms with customizable <u>inheritable</u> validation rules associated with the marked data types.
- 83. (Currently Amended) The medium of claim 81, further comprising code for storing forms with customizable <u>inheritable</u> validation rules associated with the marked data types.
- 84. (Currently Amended) The medium of claim 82, further comprising code for providing forms with customizable <u>inheritable</u> validation rules associated with the marked data types over a communications network.
- 85. (Currently Amended) The medium of claim 81, wherein the customizable inheritable validation rules are imbedded into a web page.
- 86. (Currently Amended) The medium of claim 81, wherein the customizable inheritable validation rules are executable both on a client and server.

87. (Currently Amended) An apparatus, comprising:
a memory device having at least one region for storing executable program code;

a processor, disposed in communication with the memory device, for executing the program code stored in the memory device, wherein the program code, further comprising:

code to mark data types for associated customizable <u>inheritable</u> validation rules from a hereditary rules library stored in a memory device;

and

code to identify a retriever's input analysis capabilities;

code to provide validation marked data types appropriate for a <u>the</u> retriever's <u>input analysis</u> capabilities.

- 88. (Currently Amended) The apparatus of claim 87, further comprising code to build forms with the customizable <u>inheritable</u> validation rules associated with the marked data types.
- 89. (Currently Amended) The apparatus of claim 87, further comprising code to store forms with the customizable <u>inheritable</u> validation rules associated with the marked data types.
- 90. (Currently Amended) The apparatus of claim 88, further comprising code to provide forms with the customizable <u>inheritable</u> validation rules associated with the marked data types over a communications network.
- 91. (Currently Amended) The apparatus of claim 87, wherein the customizable inheritable validation rules are imbedded into a web page.
- 92. (Currently Amended) The apparatus of claim 87, wherein the customizable inheritable validation rules are executable both on a client and server.
 - 93. (Withdrawn) A method, comprising: identifying browser capability;

choosing a validation deployment, wherein the validation deployment comprising:

determining if a browser supports regular expressions, and if so,
providing validation rules to a client;

determining if the browser supports non regular expression language, and if so, providing non regular expression language information validation;

determining if the browser does not support non regular expression language, and if not, providing regex enabled validation on a server;

providing the browser with appropriate network location and validation rules; obtaining information from a user; and

validating information with appropriate validation rules stored in a memory device.

- 94. (Withdrawn) The method of claim 93, wherein the validation rules are imbedded into a web page.
- 95. (Withdrawn) The method of claim 93, wherein the validation rules are executable both on a client and server.
 - 96. (Withdrawn) A system, comprising:means for identifying browser capability;

means for choosing a validation deployment, wherein the validation deployment comprising:

means for determining if a browser supports regular expressions, and if so, providing validation rules to a client;

means for determining if the browser supports non regular expression language, and if so, providing non regular expression language information validation;

means for determining if the browser does not support non regular expression language, and if not, providing regex enabled validation on a server;

means for providing the browser with appropriate network location and validation rules;

means for obtaining information from a user; and

means for validating information with appropriate validation rules stored in a memory device.

- 97. (Withdrawn) The system of claim 96, wherein the validation rules are imbedded into a web page.
- 98. (Withdrawn) The system of claim 96, wherein the validation rules are executable both on a client and server.
- 99. (Withdrawn) Computer executable software code stored on a computer readable medium, the code, comprising:

code for identifying browser capability;

code for choosing a validation deployment, wherein the validation deployment comprising:

code for determining if a browser supports regular expressions, and if so, providing validation rules to a client;

code for determining if the browser supports non regular expression language, and if so, providing non regular expression information validation;

code for determining if the browser does not support non regular expression language, and if not, providing regex enabled validation on a server;

code for providing the browser with appropriate network location and

validation rules;

code for obtaining information from a user; and

code for validating information with appropriate validation rules stored in a memory device.

- 100. (Withdrawn) The medium of claim 99, wherein the validation rules are imbedded into a web page.
- 101. (Withdrawn) The medium of claim 99, wherein the validation rules are executable both on a client and server.
 - 102. (Withdrawn) An apparatus, the code, comprising:a memory device having at least one region for storing executable program code;

and

a processor, disposed in communication with the memory device, for executing the program code stored in the memory device, wherein the program code, further comprising:

code to identify browser capability;

code to choose a validation deployment, wherein the validation deployment comprising:

code to determine if a browser supports regular expressions, and if so, provide validation rules to a client;

code to determine if the browser supports non regular expression language, and if so, provide non regular expression information validation;

code to determine if the browser does not support non regular expression language, and if not, provide regex enabled validation on a server;

code to provide the browser with appropriate network location and validation rules;

code to obtain information from a user; and

code to validate information with appropriate validation rules stored in a memory device.

- 103. (Withdrawn) The apparatus of claim 102, wherein the validation rules are imbedded into a web page.
- 104. (Withdrawn) The apparatus of claim 102, wherein the validation rules are executable both on a client and server.